

Periodic table (Homework)

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1.

What does the metric prefix kilo mean?

2.

Convert 0.820 grams to milligrams. Enter your answer using standard scientific or "e" notation and the correct number of significant figures (for example, $105 = 1.05e2$).

3.

Express 23,000,000,000 in exponential form, using standard scientific or "e" notation (for example, $105 = 1.05e2$). Enter the correct number of significant figures.

4.

Select the correct number of significant figures for 0.1000 mg of sodium chloride.

5.

Convert 550.8 K to °C. Enter the correct number of significant figures.

6.

Classify the following as homogenous mixtures, heterogeneous mixtures, elements or compounds.

(a) salad dressing

(b) salt water

(c) magnesium oxide

(d) water

(e) iron

7.

What is a vertical column in the periodic table called?

8.

To which family do fluorine and bromine belong?

9.

To which family do sodium and potassium belong?

10.

To which family do argon and helium belong?

11.
To which family do magnesium and calcium belong?

12.
Copper and silver are members of the

13.
Silicon and sulfur are members of which period?

14.
Nitrogen and bromine are

15.
Magnesium and chromium are

16.
Iron and nickel are

17.
Which elements are liquids at room temperature?

18.
Metals are generally